

09/736654

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No standard web pages containing all your search terms were found.

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1 Virtual voyage: interactive navigation in the human colon

Lichan Hong, Shigeru Muraki, Arie Kaufman, Dirk Bartz, Taosong He

August 1997 Proceedings of the 24th annual conference on Computer graphics and ir

Full text available: pdf(14.60 MB)

Additional Information: full citation, references, citings, index

Keywords: camera control, endoscopy, interactive rendering, physically-based nav
colonoscopy, virtual environment, visibility

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- Capitalize proper nouns to search for specific people, places, or products.
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1 Representation: Multiresolution volume simplification and polygonization

Nan Zhang, Arie Kaufman

July 2003 Proceedings of the 2003 Eurographics/IEEE TVCG Workshop on Volume

Full text available: [pdf](#)(492.30 KB)

Additional Information: full citation, abstract, references, etc.

We propose a multiresolution volume simplification and polygonization algorithm. Traditional algorithms lack the adaptive resolution support and consequently simplified volumes at several levels of downsampling, while tetrahedral-based simplification algorithms use triangles. In our method, each boundary cell is represented by a carefully selected error metric and error metrics are applied as the geometric ...

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1 Semi-regular mesh extraction from volumes

Zoë J. Wood, Peter Schröder, David Breen, Mathieu Desbrun

October 2000

Proceedings of the conference on Visualization '00

Full text available: pdf(4.93 MB)

Additional Information: full citation, citings, index terms

Keywords: implicit functions, level set methods, semi-regular meshes, subdivision,

2 Multi-resolution multi-field ray tracing: a mathematical overview

C. Gasparakis

October 1999

Proceedings of the conference on Visualization '99: celebrating ten

Full text available: pdf(211.49 KB)

Additional Information: full citation, abstract, references, citing

A rigorous mathematical review of ray tracing is presented. The concept of a general voxel formats is introduced. The necessity of interpolating opacity weighted colors in the blending process in terms of functional integrals. The continuum limit of the discrete formula is presented, and its convexity properties are investigated. The issues pertaining to interpolation/classification order are discussed. ...

3 Representation: Multiresolution volume simplification and polygonization

Nan Zhang, Arie Kaufman

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